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AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

(Original) A discharge lamp comprising:
 an envelope;

a discharge-sustaining fill sealed inside the envelope;

first and second electrodes for providing a discharge, at least the first electrode including a current carrying wire and a coil including at least first and second coiled structures:

the first coiled structure formed by winding an overwind wire around a first cylindrical member,

the second coiled structure formed by winding the first coiled structure around a second cylindrical member, the second coiled structure having a coil density of at least 95%; and an emitter material deposited on the coil.

- 2. (Original) The discharge lamp of claim 1, wherein the coil density of second coiled structure is about 100%.
- 3. (Original) The discharge lamp of claim 1, wherein the coil density of second coiled structure is over 100%.
- 4. (Original) The discharge lamp of claim 1, wherein the second coiled structure has at least 80 turns per inch.
- 5. (Original) The discharge lamp of claim 4, wherein the first coiled structure has at least 200 turns per inch.
- 6. (Original) The discharge lamp of claim 5, wherein the first coiled structure has about 300 turns per inch.

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- 7. (Original) The discharge lamp of claim 1, wherein the coil further includes a third coiled structure formed by winding the second coiled structure around a third cylindrical member.
- 8. (Original) The discharge lamp of claim 7, wherein the third cylindrical member has a diameter of at least 1.0 mm.
- 9 (Original) The discharge lamp of claim 1, wherein the third cylindrical member has a diameter of at least 1.2mm.
- 10. (Original) The discharge lamp of claim 1, wherein the coil is at least 10mm in length.
- 11. (Original) The discharge lamp of claim 1, wherein the emitter material comprises an oxide selected from the group consisting of barium, strontium, calclum, zirconium, and combinations thereof.
- 12. (Original) The discharge lamp of claim 1, wherein the amount of emitter material is 0.6-1.6mg/mm length of the coil.
- 13. (Withdrawn) A method for forming a coil for a fluorescent lamp, the method comprising:

forming a coil including:

winding an overwind wire around a current carrying wire to form a first coiled structure,

winding the first coiled structure around a cylindrical member to form a second coiled structure, the second coiled structure having a coil density of at least 95%; and

coating the coil with an emitter mix which, when activated, emits electrons when heated.

14. (Withdrawn) The method of claim 13, further comprising: stretching the coil prior to the step of coating with the emitter mix to increase a length of the second coiled structure.

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15. (Withdrawn) The method of claim 14, wherein the step of stretching includes:

stretching the second coiled structure until the coil has a coil density of less than 100.

16. (Withdrawn) The method of claim 14, wherein the step of stretching includes:

stretching the second coiled structure until the coil has a coil density of less than about 95%.

17. (Withdrawn) The method of claim 14, wherein the step of stretching includes:

stretching the second coiled structure to increase its length by at least 2%.

18. (Withdrawn) The method of claim 17, wherein the step of stretching includes:

stretching the second coiled structure to increase its length by at least 5%.

19. (Withdrawn) The method of claim 17, wherein the step of stretching includes:

stretching the second coiled structure to increase its length by up to about 20%.

20. (Withdrawn) The method of claim 13, further including:

increasing a length of the coil prior to the step of coating such that a spacing between turns of the secondary coil is greater than the diameter of 90% of particles in the emitter mix.

- 21. (Withdrawn) The method of claim 13, wherein the step of forming a coiled structure further includes winding the second coiled structure around a second cylindrical member to form a third coiled structure, the second cylindrical member having a diameter of at least 1 mm.
- 22. (Original) An electrode which includes a coil formed by the method of claim 13.

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- 23. (Original) A fluorescent lamp which includes an electrode coil formed by the method of claim 13.
- 24. (Withdrawn) A method for forming a coil for a fluorescent lamp, the method comprising:

forming a coil including:

electrons when heated.

winding an overwind wire to form a first coiled structure,
winding the first coiled structure around a cylindrical member to
form a second coiled structure of a first coil density, and
extending the second coiled structure to form a coil having a
second coil density which is less than the first coil density; and
coating the extended coil with an emitter mix which, when activated, emits